

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

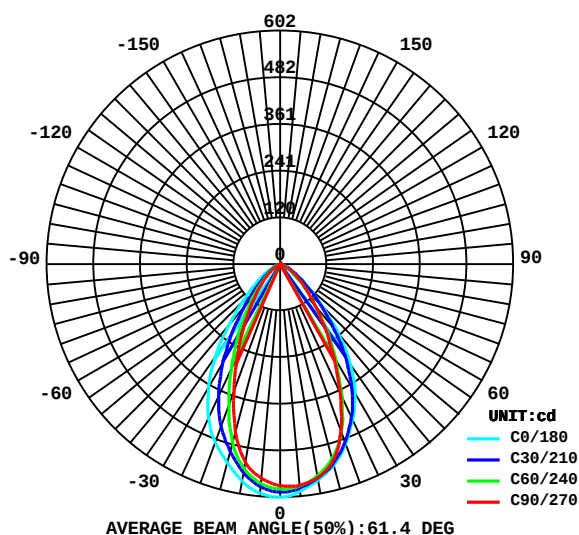
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

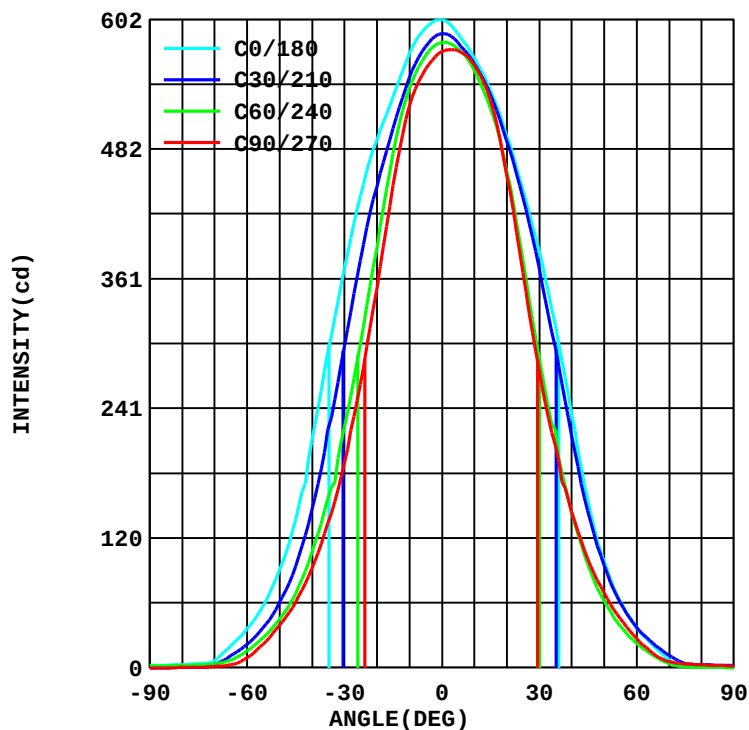
MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	602.2	S/MH(C0/180)	1.00
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.74
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	648.87	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	51.7	Current(A)	0.522
NOMINAL FLUX(lm)	648.9	η up(%)	1.1	Power(W)	12.54
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	592.7	EEI	0.248

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

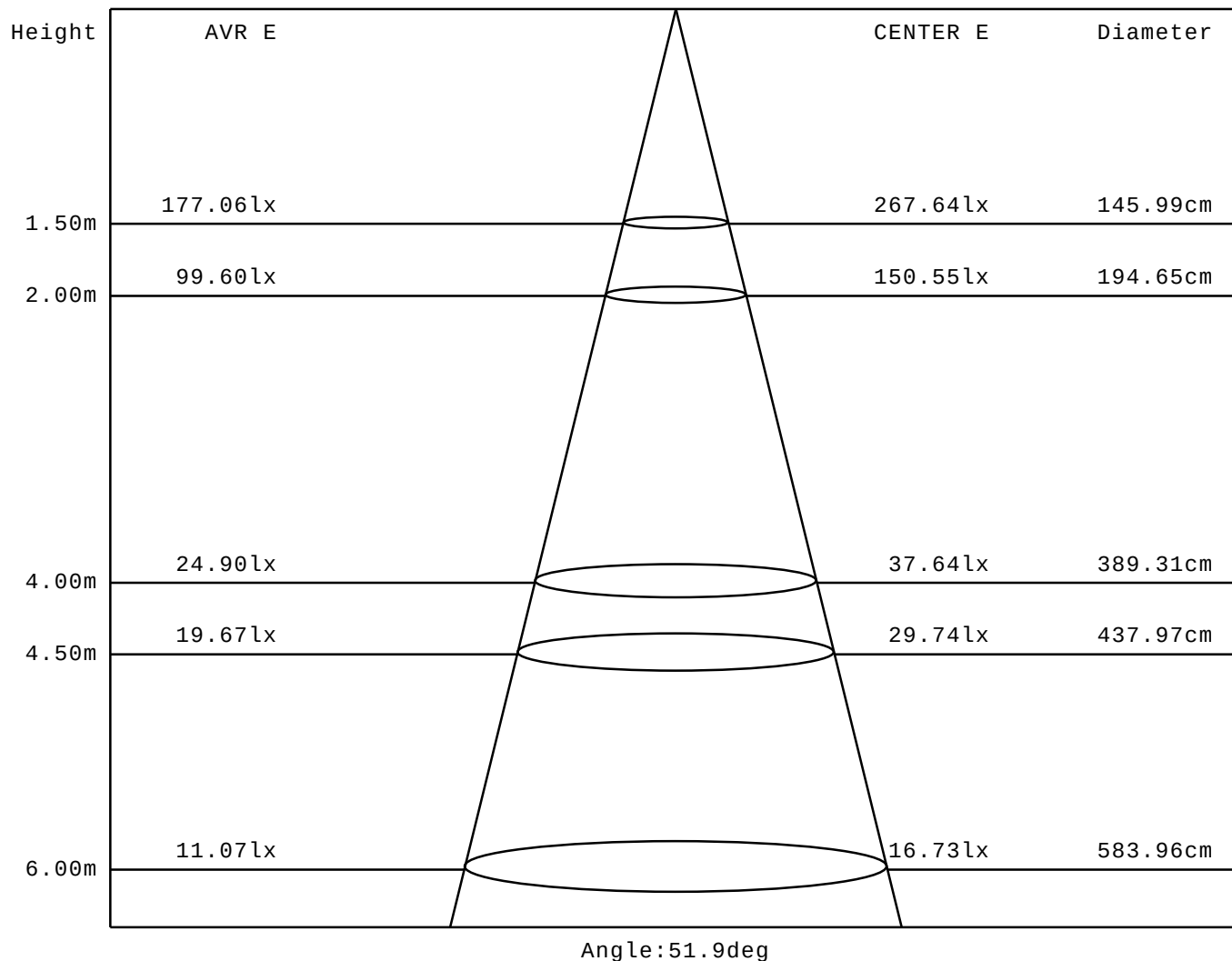
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	594.2	572.7	556.0	550.5	589.3	578.1	573.2	567.9	0- 5	13.75	13.75
10.0	569.7	542.2	520.4	520.3	566.5	557.9	559.7	552.2	5- 10	39.97	53.73
15.0	530.3	489.2	447.9	472.7	536.8	526.1	527.7	518.6	10- 15	62.38	116.1
20.0	490.1	418.4	351.9	403.9	495.0	476.4	459.4	466.8	15- 20	78.20	194.3
25.0	437.6	339.4	263.1	325.8	443.8	407.8	367.1	400.2	20- 25	85.42	279.7
30.0	370.4	260.7	189.7	251.0	388.1	330.8	277.8	323.3	25- 30	84.24	364.0
35.0	292.6	188.6	133.7	186.9	317.6	258.7	205.7	251.4	30- 35	76.24	440.2
40.0	209.8	126.2	92.12	125.8	235.6	180.0	145.0	172.6	35- 40	63.08	503.3
45.0	137.6	81.52	60.76	82.04	156.3	121.5	101.5	115.5	40- 45	47.97	551.2
50.0	89.25	52.04	38.85	52.43	98.28	78.37	69.30	74.52	45- 50	34.29	585.5
55.0	57.12	32.41	21.77	32.48	61.60	49.56	45.71	47.46	50- 55	23.50	609.0
60.0	35.70	18.51	9.100	18.62	37.87	30.52	27.37	29.26	55- 60	15.41	624.5
65.0	19.95	8.785	2.520	8.820	20.58	16.97	13.37	16.06	60- 65	9.135	633.6
70.0	6.020	2.975	0.980	3.115	7.490	7.560	5.600	7.000	65- 70	4.469	638.1
75.0	3.570	1.400	0.280	1.365	1.260	2.450	3.500	2.100	70- 75	1.642	639.7
80.0	2.730	1.015	0.070	1.050	0.630	1.505	2.520	1.365	75- 80	0.842	640.6
85.0	2.170	0.840	0	0.840	0.280	1.190	1.960	1.050	80- 85	0.625	641.2
90.0	1.890	0.770	0	0.735	0.140	0.945	1.610	0.910	85- 90	0.512	641.7
95.0	1.750	0.665	0	0.665	0.210	0.840	1.470	0.805	90- 95	0.451	642.1
100.0	1.610	0.665	0	0.595	0.280	0.770	1.330	0.735	95-100	0.410	642.5
105.0	1.470	0.665	0	0.560	0.350	0.770	1.260	0.700	100-105	0.383	642.9
110.0	1.470	0.630	0.070	0.595	0.490	0.770	1.190	0.700	105-110	0.365	643.3
115.0	1.400	0.665	0.070	0.595	0.630	0.770	1.120	0.735	110-115	0.357	643.7
120.0	1.470	0.700	0.210	0.630	0.770	0.840	1.120	0.805	115-120	0.369	644.0
125.0	1.470	0.805	0.280	0.700	0.980	0.980	1.190	0.875	120-125	0.393	644.4
130.0	1.610	0.945	0.420	0.875	1.260	1.155	1.260	1.085	125-130	0.424	644.8
135.0	1.750	1.120	0.560	1.015	1.540	1.330	1.400	1.260	130-135	0.461	645.3
140.0	1.890	1.295	0.770	1.190	1.890	1.575	1.610	1.540	135-140	0.496	645.8
145.0	2.100	1.505	1.050	1.435	2.170	1.820	1.820	1.715	140-145	0.520	646.3
150.0	2.310	1.715	1.330	1.645	2.380	2.065	2.100	1.960	145-150	0.528	646.8
155.0	2.520	1.995	1.680	1.890	2.590	2.275	2.310	2.170	150-155	0.512	647.4
160.0	2.730	2.170	1.890	2.100	2.870	2.520	2.590	2.380	155-160	0.473	647.8
165.0	2.940	2.415	2.240	2.310	3.080	2.660	2.800	2.520	160-165	0.408	648.2
170.0	3.080	2.625	2.520	2.520	3.220	2.800	2.940	2.695	165-170	0.315	648.6
175.0	3.290	2.800	2.730	2.660	3.360	2.905	3.150	2.800	170-175	0.201	648.8
180.0	3.290	2.870	2.870	2.730	3.430	2.870	3.080	2.800	175-180	0.070	648.8
DEG	LUMINOUS INTENSITY:cd								UNIT: lm		

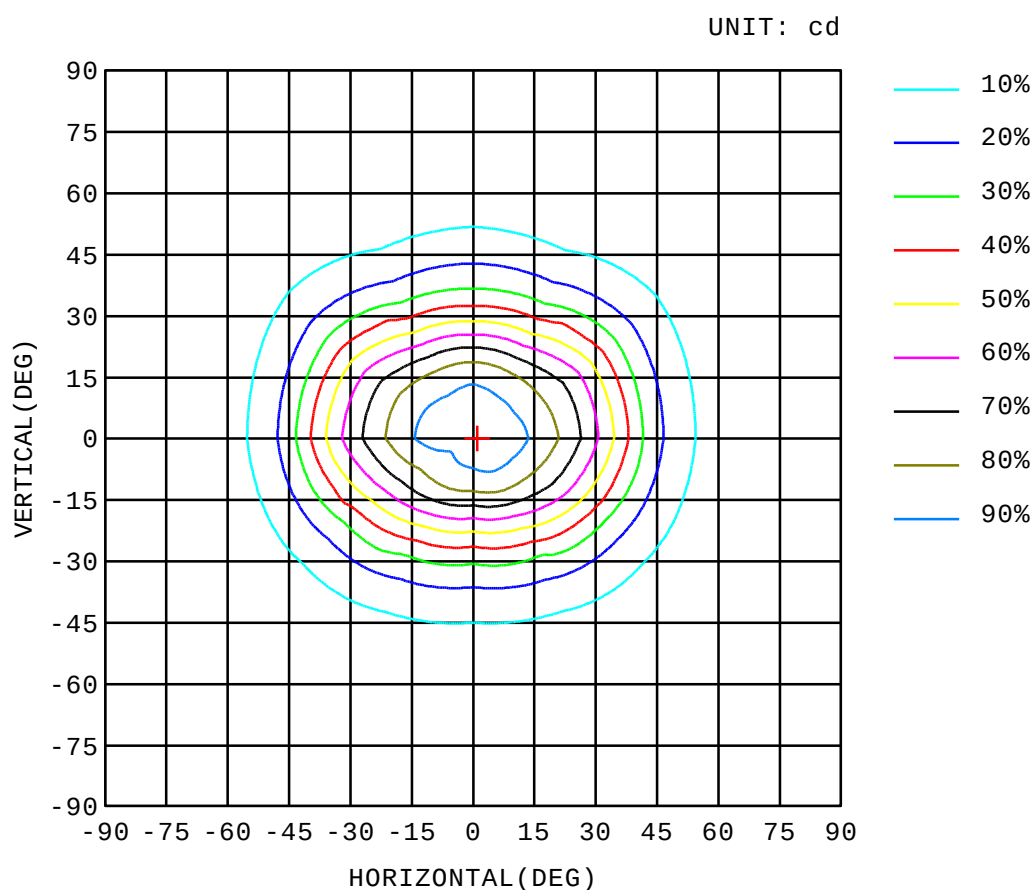
Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

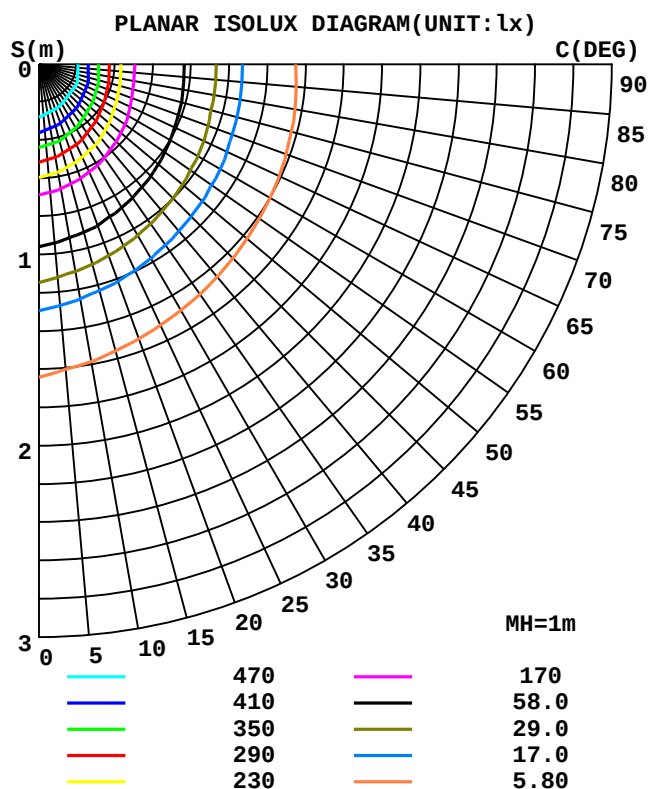
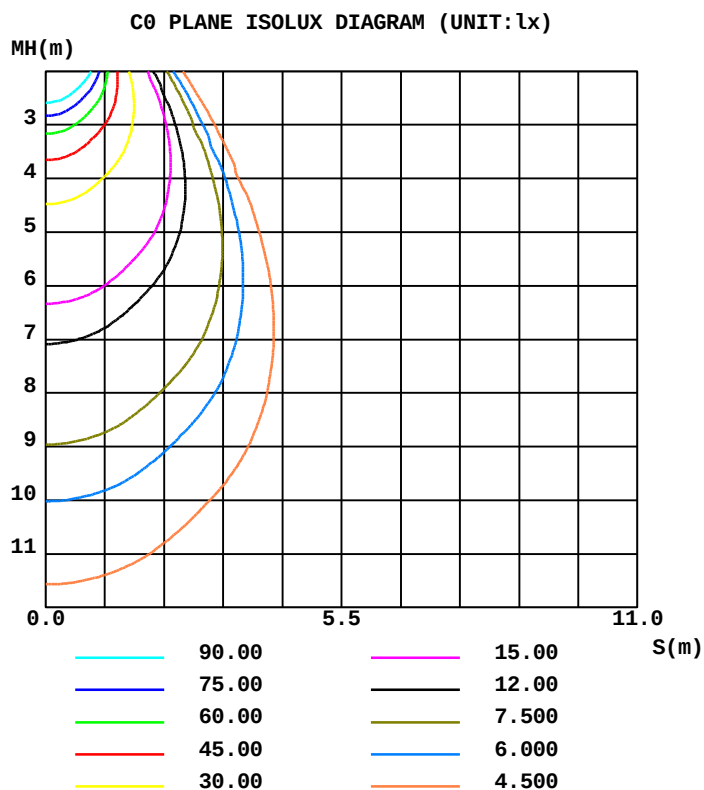
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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:H0P00
Temperature:22DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	602	589	581	572	569	567	602	589	581	572	569	567
5.0	594	577	569	556	553	548	589	581	575	573	569	567
10.0	570	547	537	520	521	519	567	561	555	560	553	552
15.0	530	501	477	448	464	481	537	532	520	528	518	519
20.0	490	447	390	352	381	427	495	490	463	459	457	476
25.0	438	378	300	263	294	358	444	437	379	367	372	429
30.0	370	298	223	190	218	284	388	373	289	278	284	363
35.0	293	221	156	134	153	221	318	297	221	206	220	283
40.0	210	146	107	92.1	106	145	236	216	144	145	142	203
45.0	138	94.0	68.9	60.7	69.2	94.8	156	146	96.8	102	95.4	136
50.0	89.2	59.5	44.5	38.8	44.8	60.0	98.2	94.7	62.0	69.3	60.4	88.6
55.0	57.1	37.0	27.7	21.7	28.2	36.7	61.6	60.4	38.7	45.7	38.1	56.7
60.0	35.7	21.4	15.5	9.10	15.6	21.5	37.8	38.0	23.0	27.3	22.4	36.0
65.0	19.9	10.7	6.86	2.52	7.07	10.5	20.5	22.6	11.3	13.3	10.9	21.2
70.0	6.02	2.52	3.43	0.98	3.36	2.87	7.49	11.5	3.57	5.60	3.43	10.5
75.0	3.57	0.35	2.45	0.28	2.45	0.28	1.26	4.06	0.84	3.50	0.70	3.50
80.0	2.73	0.07	1.96	0.07	2.03	0.07	0.63	2.73	0.28	2.52	0.21	2.52
85.0	2.17	0.00	1.68	0.00	1.68	0.00	0.28	2.24	0.14	1.96	0.00	2.10
90.0	1.89	0.00	1.54	0.00	1.47	0.00	0.14	1.89	0.00	1.61	0.00	1.82
95.0	1.75	0.00	1.33	0.00	1.33	0.00	0.21	1.68	0.00	1.47	0.00	1.61
100.0	1.61	0.07	1.26	0.00	1.19	0.00	0.28	1.54	0.00	1.33	0.00	1.47
105.0	1.47	0.14	1.19	0.00	1.12	0.00	0.35	1.47	0.07	1.26	0.00	1.40
110.0	1.47	0.14	1.12	0.07	1.12	0.07	0.49	1.40	0.14	1.19	0.07	1.33
115.0	1.40	0.21	1.12	0.07	1.05	0.14	0.63	1.40	0.14	1.12	0.14	1.33
120.0	1.47	0.35	1.05	0.21	1.05	0.21	0.77	1.40	0.28	1.12	0.21	1.40
125.0	1.47	0.49	1.12	0.28	1.05	0.35	0.98	1.54	0.42	1.19	0.35	1.40
130.0	1.61	0.70	1.19	0.42	1.19	0.56	1.26	1.68	0.63	1.26	0.56	1.61
135.0	1.75	0.91	1.33	0.56	1.26	0.77	1.54	1.82	0.84	1.40	0.77	1.75
140.0	1.89	1.12	1.47	0.77	1.40	0.98	1.89	2.03	1.12	1.61	1.05	2.03
145.0	2.10	1.33	1.68	1.05	1.61	1.26	2.17	2.24	1.40	1.82	1.33	2.10
150.0	2.31	1.54	1.89	1.33	1.82	1.47	2.38	2.45	1.68	2.10	1.61	2.31
155.0	2.52	1.82	2.17	1.68	2.03	1.75	2.59	2.59	1.96	2.31	1.89	2.45
160.0	2.73	2.03	2.31	1.89	2.24	1.96	2.87	2.80	2.24	2.59	2.17	2.59
165.0	2.94	2.31	2.52	2.24	2.45	2.17	3.08	2.94	2.38	2.80	2.38	2.66
170.0	3.08	2.52	2.73	2.52	2.66	2.38	3.22	3.01	2.59	2.94	2.52	2.87
175.0	3.29	2.73	2.87	2.73	2.80	2.52	3.36	3.08	2.73	3.15	2.66	2.94
180.0	3.29	2.87	2.87	2.87	2.87	2.59	3.43	3.01	2.73	3.08	2.66	2.94

Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
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Remarks: